FIG.1

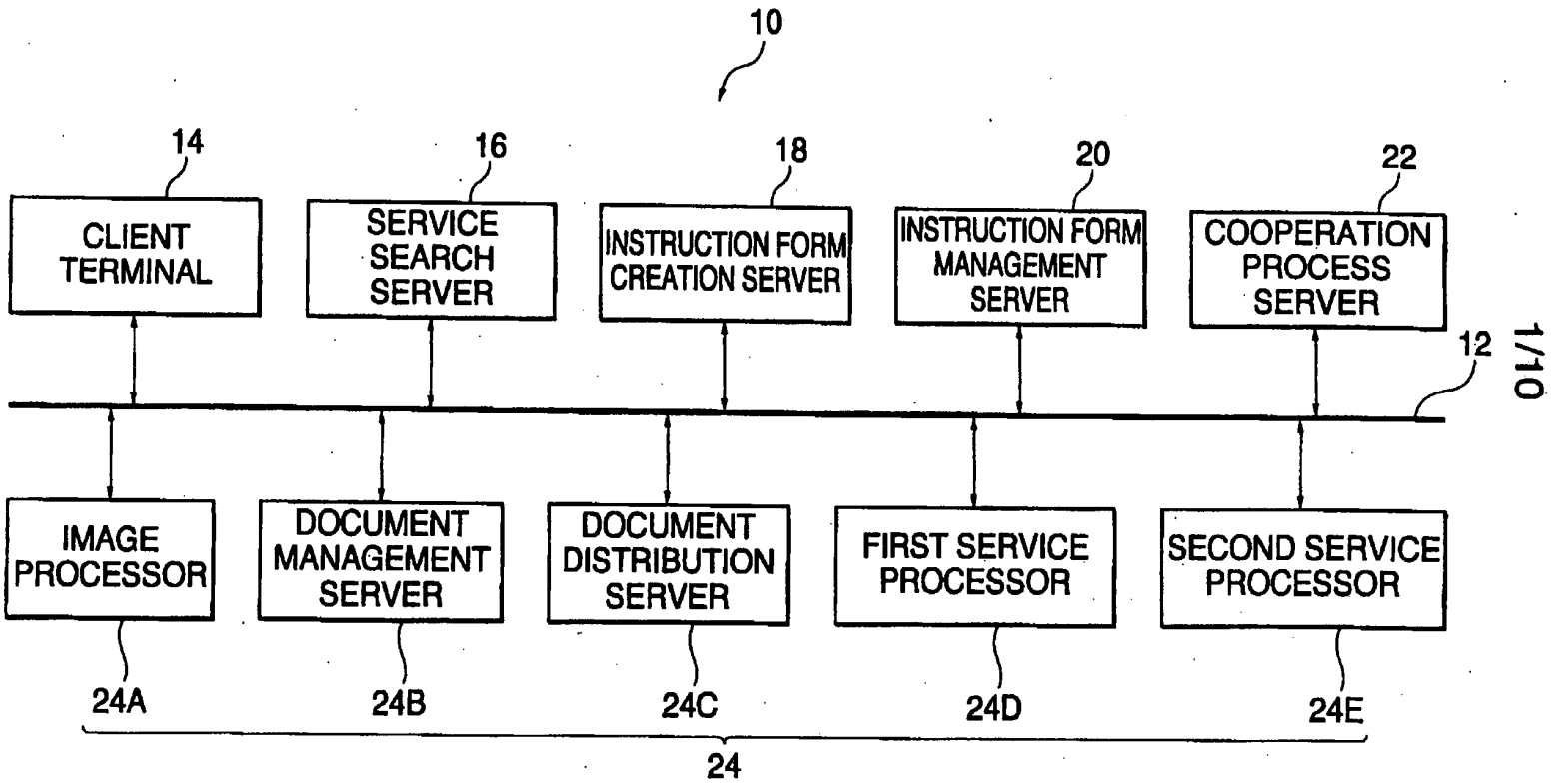

10
14
16
18
20
22
CLIENT TERMINAL
SERVICE SEARCH SERVER
INSTRUCTION FORM CREATION SERVER
INSTRUCTION FORM MANAGEMENT SERVER
COOPERATION PROCESS SERVER
12
IMAGE PROCESSOR
DOCUMENT MANAGEMENT SERVER
DOCUMENT DISTRIBUTION SERVER
FIRST SERVICE PROCESSOR
SECOND SERVICE PROCESSOR
24A
24B
24C
24D
24E
24

FIG.2

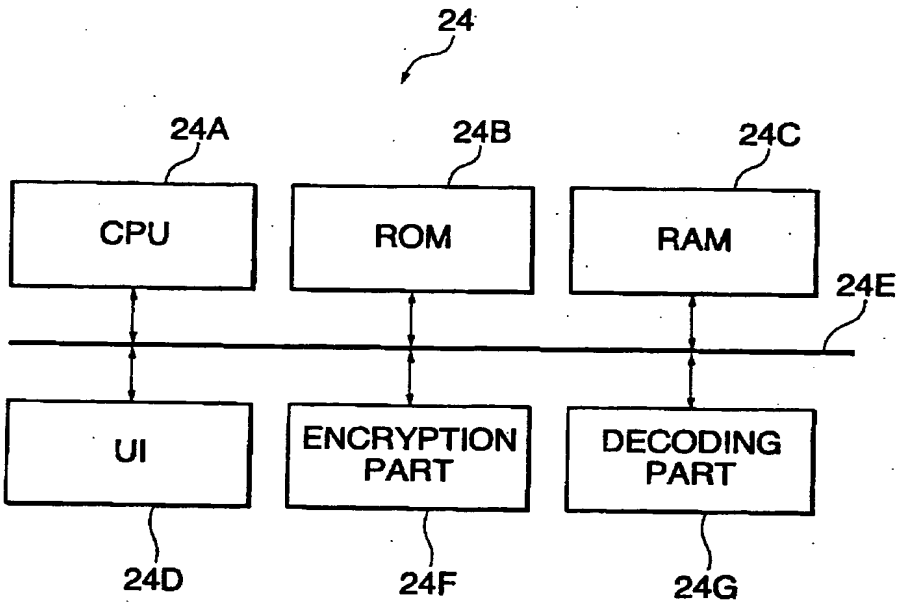

24
24A
24B
24C
CPU
ROM
RAM
24E
UI
ENCRYPTION PART
DECODING PART
24D
24F
24G

FIG.3

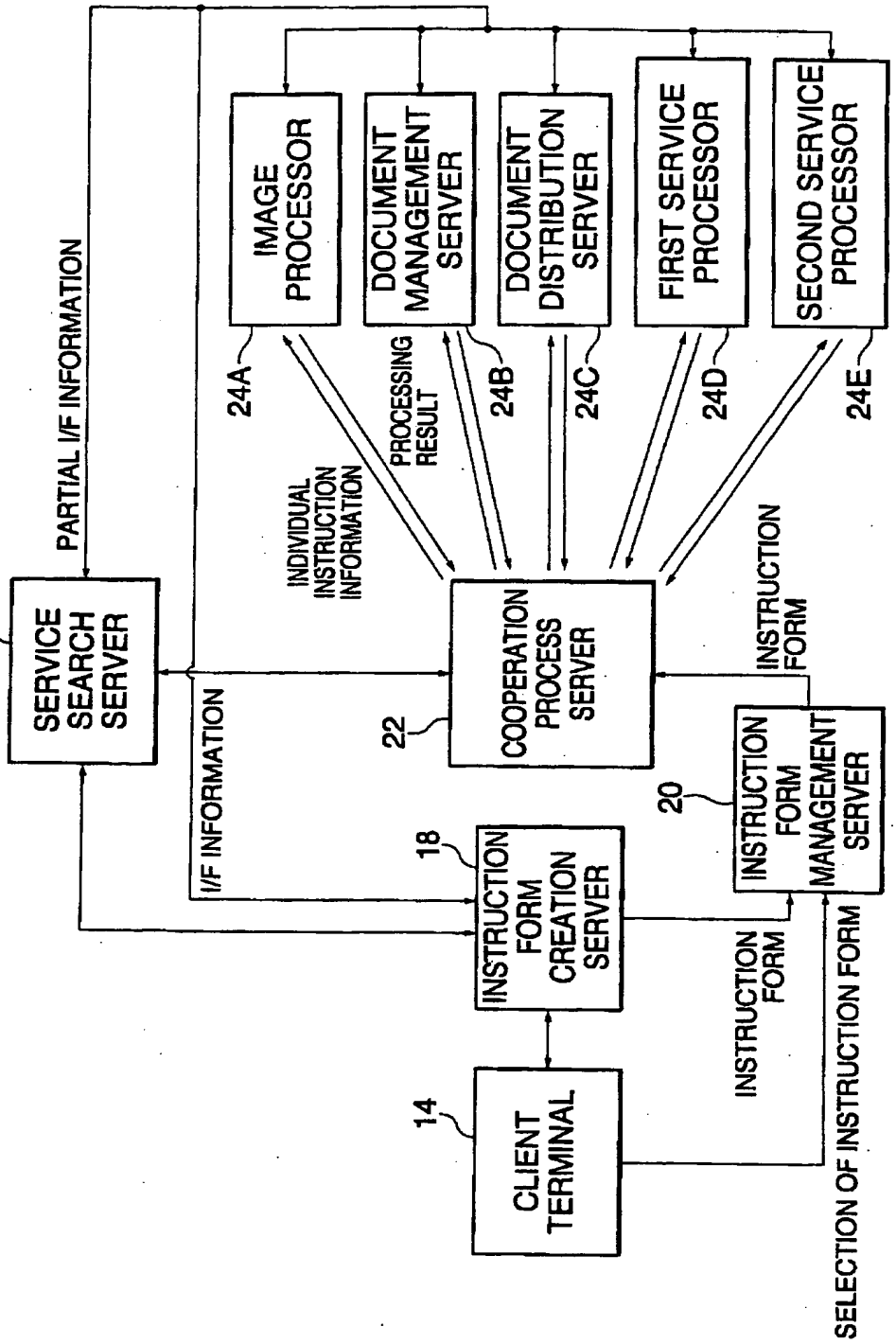

SERVICE SEARCH SERVER
16
PARTIAL I/F INFORMATION
I/F INFORMATION
IMAGE PROCESSOR
DOCUMENT MANAGEMENT SERVER
DOCUMENT DISTRIBUTION SERVER
FIRST SERVICE PROCESSOR
SECOND SERVICE PROCESSOR
24A
24B
24C
24D
24E
INDIVIDUAL INSTRUCTION INFORMATION
PROCESSING RESULT
COOPERATION PROCESS SERVER
22
INSTRUCTION FORM
INSTRUCTION FORM MANAGEMENT SERVER
20
INSTRUCTION FORM CREATION SERVER
18
INSTRUCTION FORM
CLIENT TERMINAL
14
SELECTION OF INSTRUCTION FORM

FIG.4

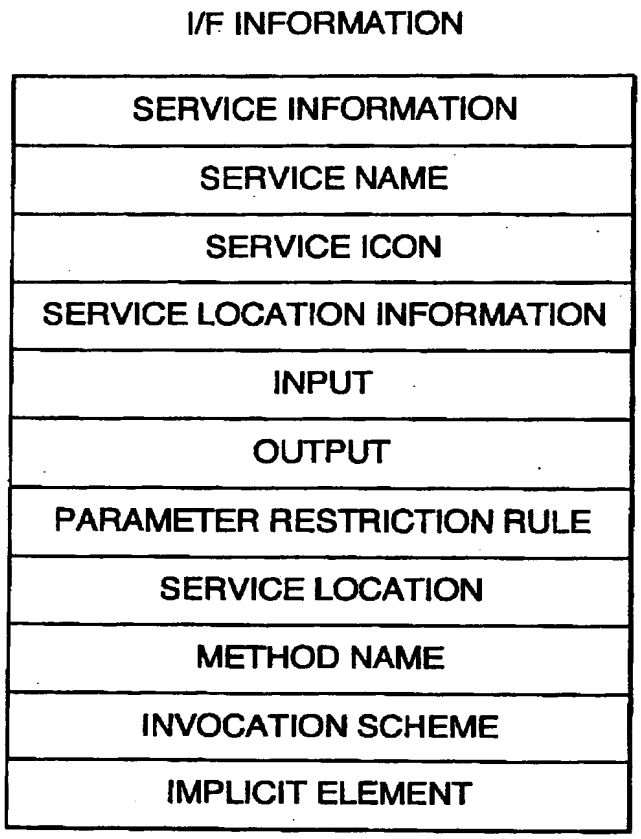

I/F INFORMATION
SERVICE INFORMATION
SERVICE NAME
SERVICE ICON
SERVICE LOCATION INFORMATION
INPUT
OUTPUT
PARAMETER RESTRICTION RULE
SERVICE LOCATION
METHOD NAME
INVOCATION SCHEME
IMPLICIT ELEMENT

FIG.5

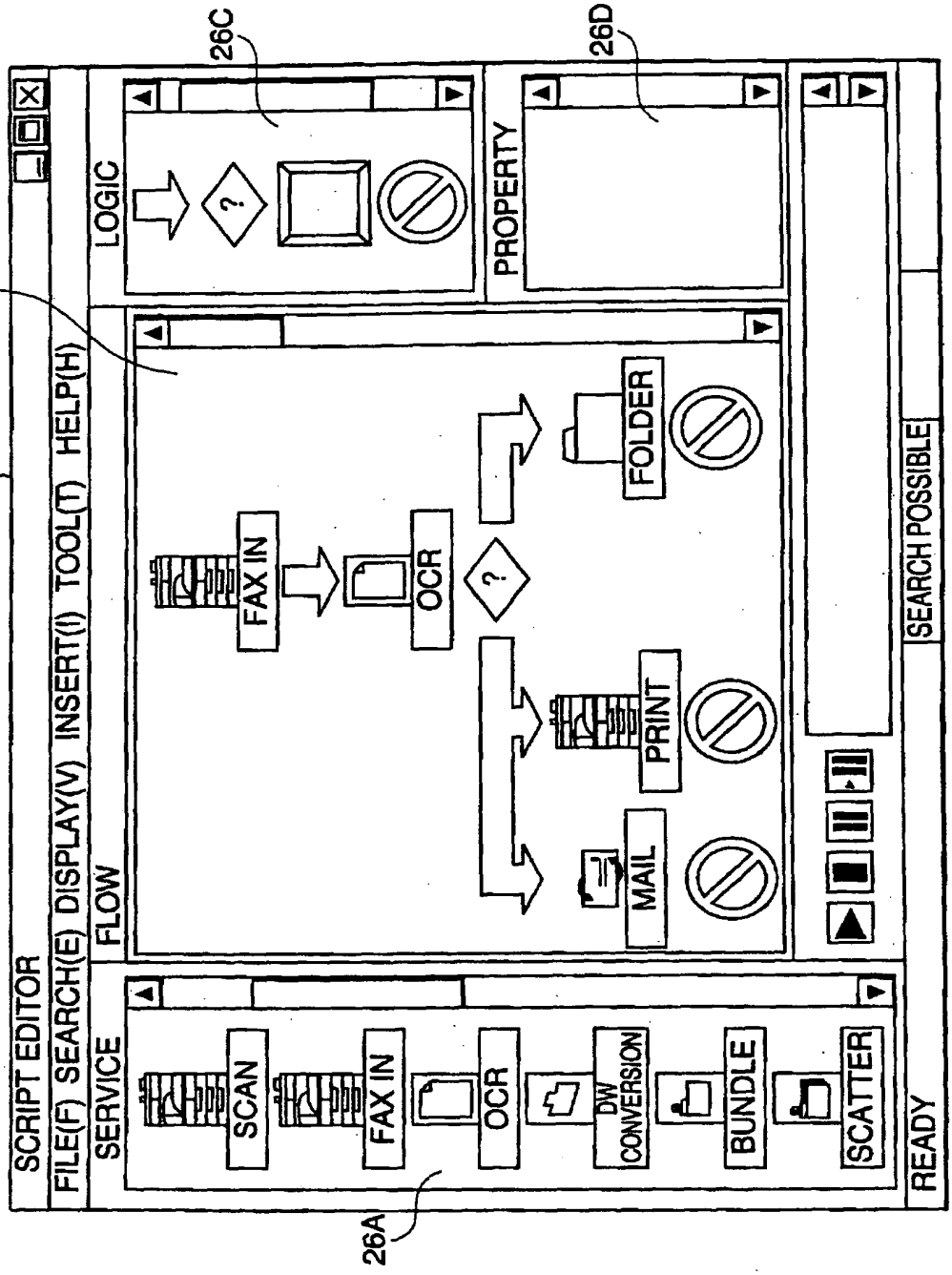

SCRIPT EDITOR
FILE(F) SEARCH(E) DISPLAY(V) INSERT(I) TOOL(T) HELP(H)
26
26B
26C
26D
LOGIC
PROPERTY
FLOW
FAX IN
OCR
FOLDER
PRINT
MAIL
SERVICE
SCAN
FAX IN
OCR
DW CONVERSION
BUNDLE
SCATTER
26A
SEARCH POSSIBLE
READY

FIG.6

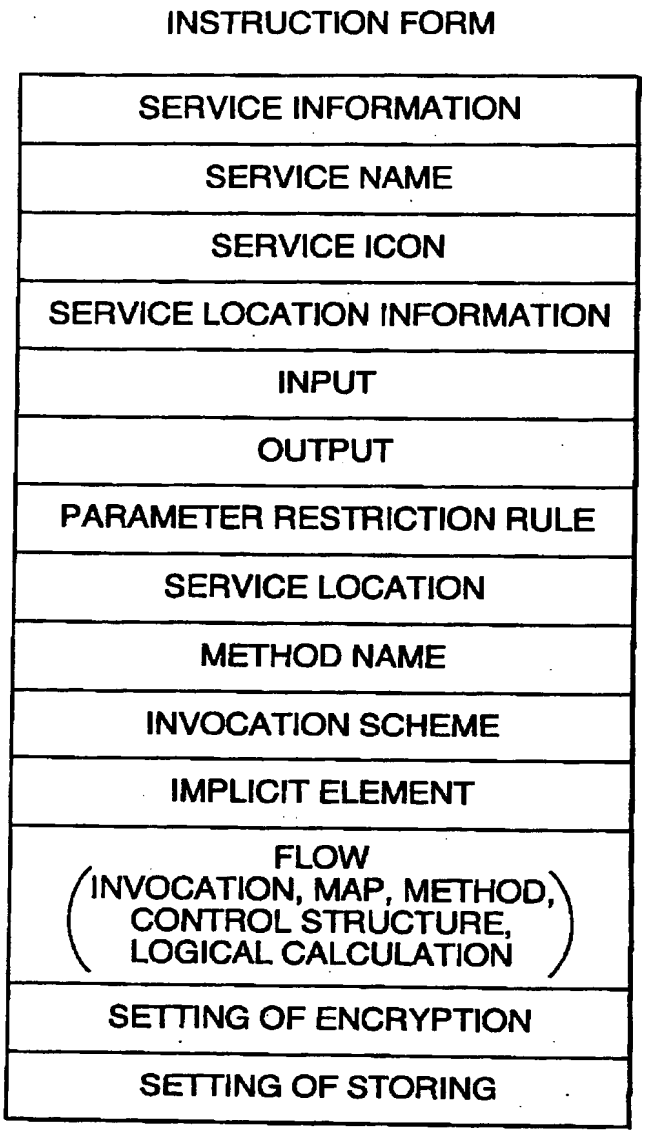

INSTRUCTION FORM
SERVICE INFORMATION
SERVICE NAME
SERVICE ICON
SERVICE LOCATION INFORMATION
INPUT
OUTPUT
PARAMETER RESTRICTION RULE
SERVICE LOCATION
METHOD NAME
INVOCATION SCHEME
IMPLICIT ELEMENT
FLOW
(INVOCATION, MAP, METHOD, CONTROL STRUCTURE, LOGICAL CALCULATION)
SETTING OF ENCRYPTION
SETTING OF STORING

FIG.7

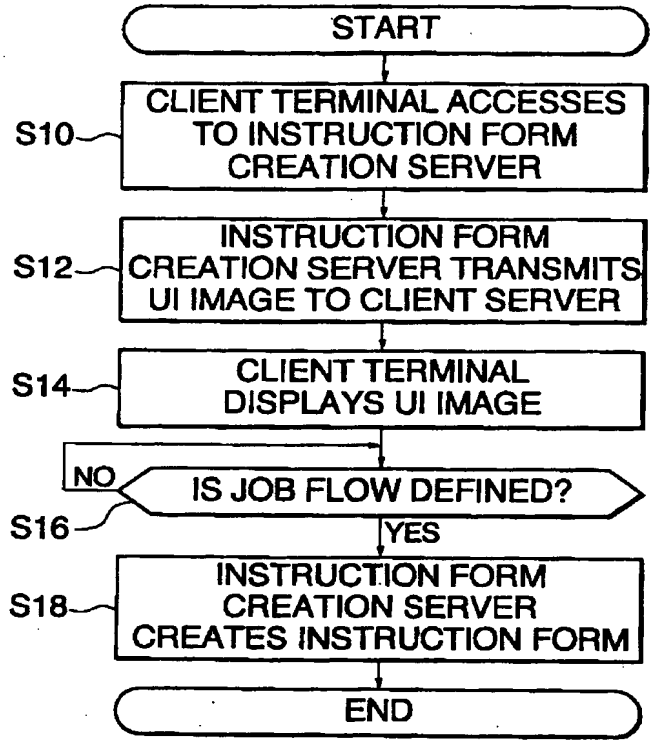

START
S10
CLIENT TERMINAL ACCESSES TO INSTRUCTION FORM CREATION SERVER
S12
INSTRUCTION FORM CREATION SERVER TRANSMITS UI IMAGE TO CLIENT SERVER
S14
CLIENT TERMINAL DISPLAYS UI IMAGE
NO
IS JOB FLOW DEFINED?
S16
YES
S18
INSTRUCTION FORM CREATION SERVER CREATES INSTRUCTION FORM
END

FIG.8

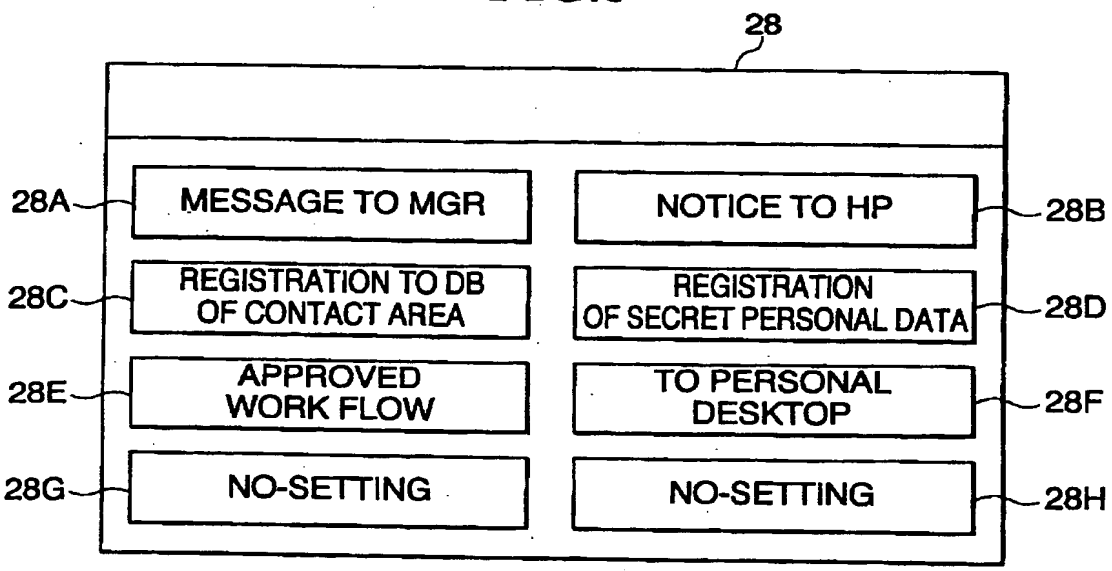

28
28A
MESSAGE TO MGR
NOTICE TO HP
28B
28C
REGISTRATION TO DB OF CONTACT AREA
REGISTRATION OF SECRET PERSONAL DATA
28D
28E
APPROVED WORK FLOW
TO PERSONAL DESKTOP
28F
28G
NO-SETTING
NO-SETTING
28H

FIG.9

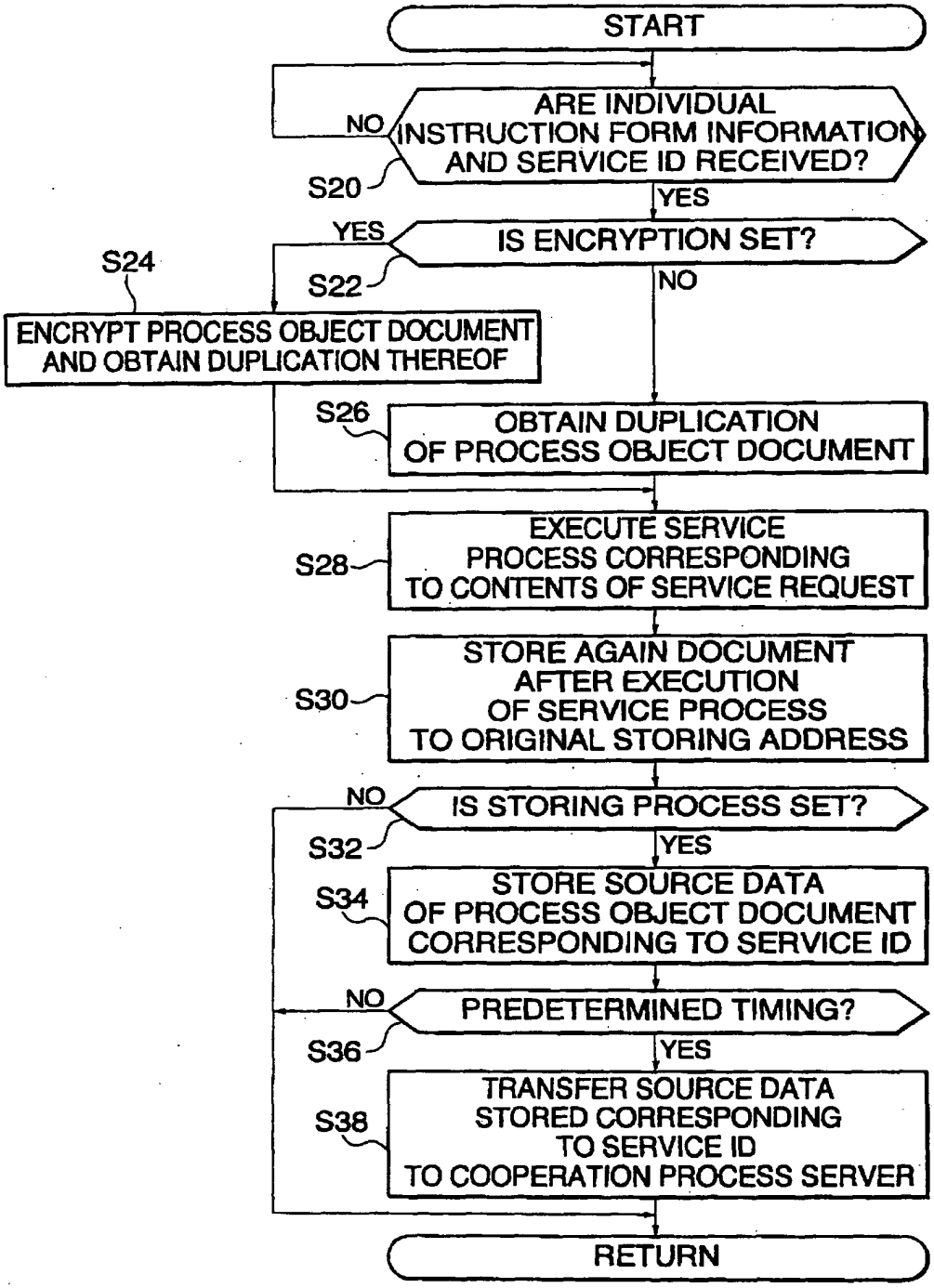

START
ARE INDIVIDUAL INSTRUCTION FORM INFORMATION AND SERVICE ID RECEIVED?
NO
S20
YES
IS ENCRYPTION SET?
YES
S22
NO
S24
ENCRYPT PROCESS OBJECT DOCUMENT AND OBTAIN DUPLICATION THEREOF
S26
OBTAIN DUPLICATION OF PROCESS OBJECT DOCUMENT
S28
EXECUTE SERVICE PROCESS CORRESPONDING TO CONTENTS OF SERVICE REQUEST
S30
STORE AGAIN DOCUMENT AFTER EXECUTION OF SERVICE PROCESS TO ORIGINAL STORING ADDRESS
NO
IS STORING PROCESS SET?
S32
YES
S34
STORE SOURCE DATA OF PROCESS OBJECT DOCUMENT CORRESPONDING TO SERVICE ID
NO
PREDETERMINED TIMING?
S36
YES
S38
TRANSFER SOURCE DATA STORED CORRESPONDING TO SERVICE ID TO COOPERATION PROCESS SERVER
RETURN

FIG.10

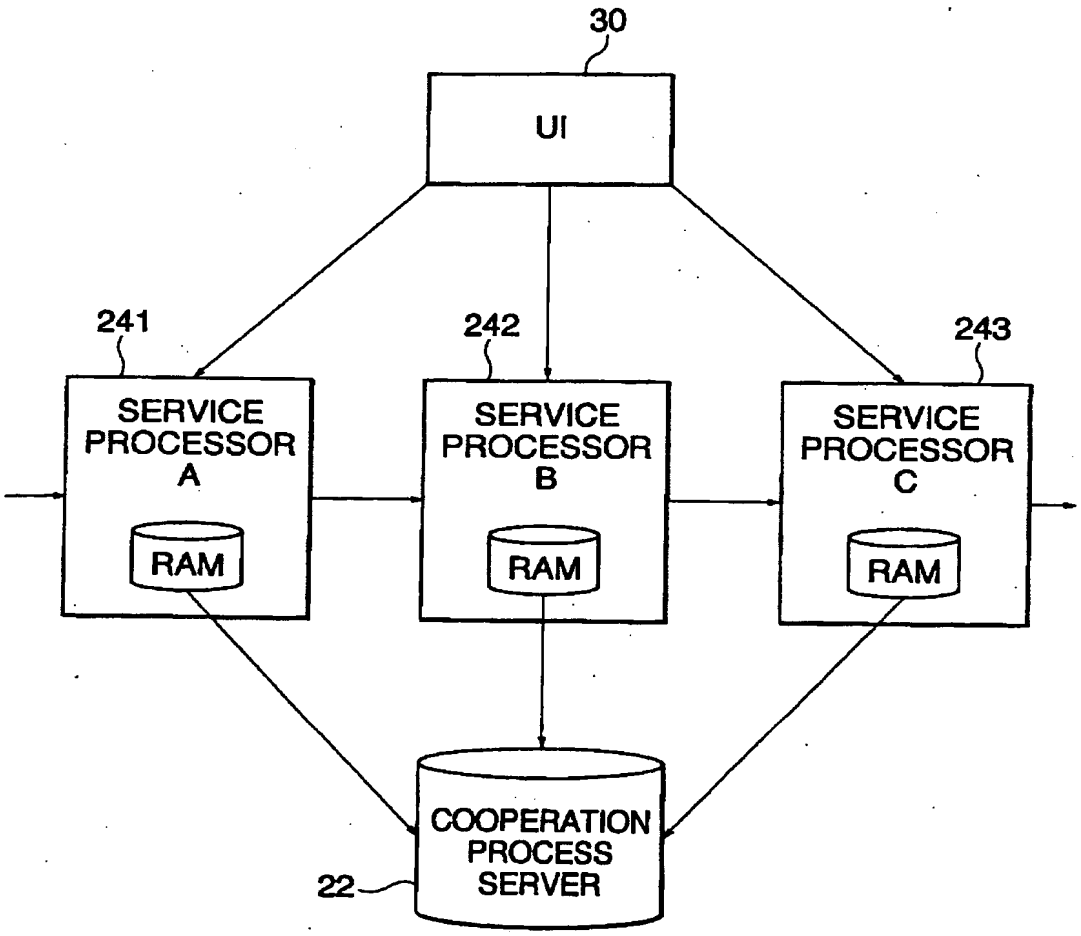
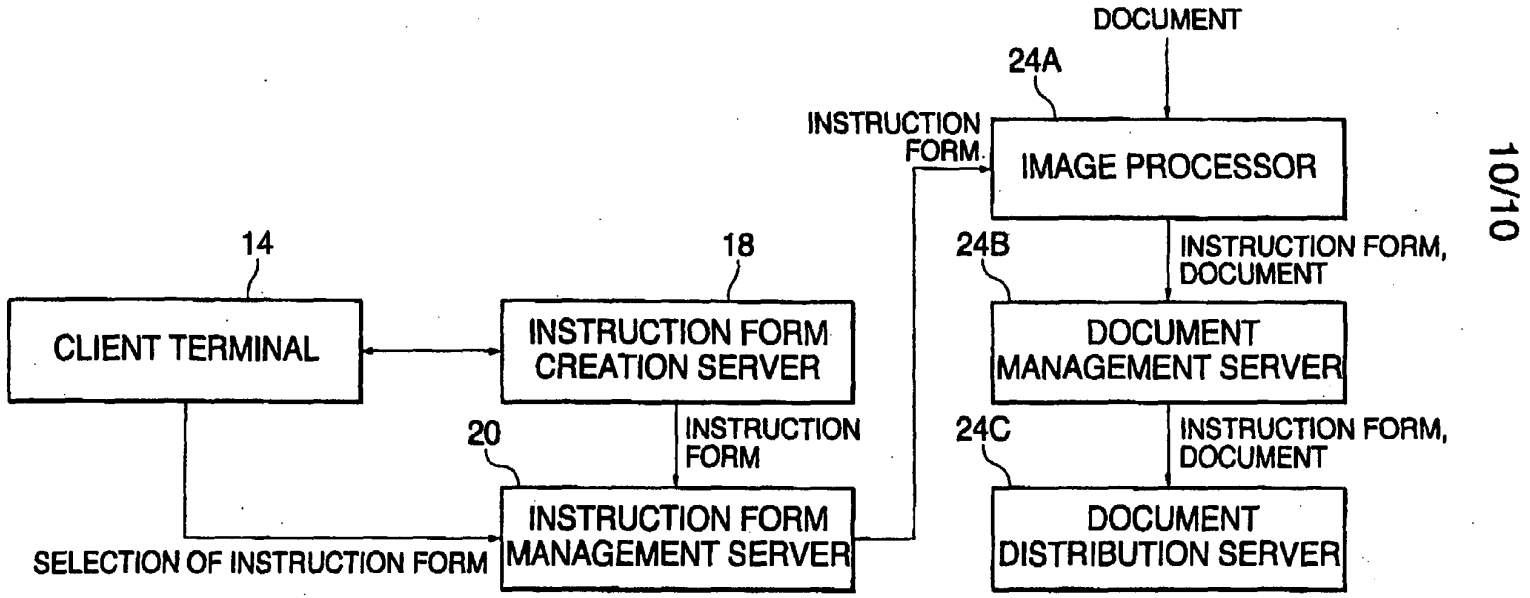

30
UI
241
242
243
SERVICE PROCESSOR A
SERVICE PROCESSOR B
SERVICE PROCESSOR C
RAM
RAM
RAM
COOPERATION PROCESS SERVER
22

FIG.11


DOCUMENT
24A
INSTRUCTION FORM
IMAGE PROCESSOR
14
18
24B
INSTRUCTION FORM, DOCUMENT
CLIENT TERMINAL
INSTRUCTION FORM CREATION SERVER
DOCUMENT MANAGEMENT SERVER
20
INSTRUCTION FORM
24C
INSTRUCTION FORM, DOCUMENT
SELECTION OF INSTRUCTION FORM
INSTRUCTION FORM MANAGEMENT SERVER
DOCUMENT DISTRIBUTION SERVER